

TRW

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

E7.3 106.2.5
CR-132036

7132.1-20
June 8, 1973

Mr. Edward W. Crump
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Attention: Mr. Edward W. Crump, Code 430

Subject: Monthly Progress Report for Period Ending 1 June 1973

Contract: ERTS Image Data Compression Technique Evaluation
MMC #153

Principal Investigator: Dr. Donald J. Spencer, GSFC ID PR512

During May several more object class subscenes were processed according to plan, with the results presented on the attachment. Output tape re-formatting was performed for the purpose of image reconstruction. The first images will be processed during the first week of June at our vendor facilities. During June, several full scenes will be processed to show the effects of channel noise and induced distortion as given in the data analysis plan. Neither the raw digital data tape nor the last two MSS tapes requested have arrived as of 1 June 1973. These two MSS tapes are 1007-16560 and 1043-16573. Dr. Curtis May will visit Bill Alford at GSFC during the last week of June to give results obtained to date, discuss plans for the remainder of the study, and to present the proposed format for the final report.

(E73-10625) ERTS IMAGE DATA COMPRESSION
TECHNIQUE EVALUATION Monthly Progress
Report, period ending 1 Jun. 1973 (TRW
Systems Group) 2 p HC \$3.00 CSCL 05B

N73-24385

Unclas
G3/13 00625

Attachment

OBJECT CLASSES PROCESSED DURING MAY
(Bits/samples based on SSDIA/Rice Algorithm)

1. Canada (Lake St. John): (1025-15103)
 - a. Lake - 1.59 bits
 - b. Coniferous forest - 3.47 bits
 - c. Rivers and Tributaries - 3.26 bits
 - d. Clouds with gaps - 2.7 bits
2. Orange County: (1018-18010)
 - a. Smooth clouds - 1.64 bits
3. Montreal, Canada: (1170-15173)
 - a. Snow fields - 1.77 bits
4. Chesapeake Bay, Potomac River:(1062-15193)
 - a. Forest - 2.76 bits
 - b. Bay - 1.22 bits
5. San Pedro/Long Beach (1108-18020)
 - a. Island - 2.48 bits
 - b. Scattered clouds over ocean - 2.64 bits

2